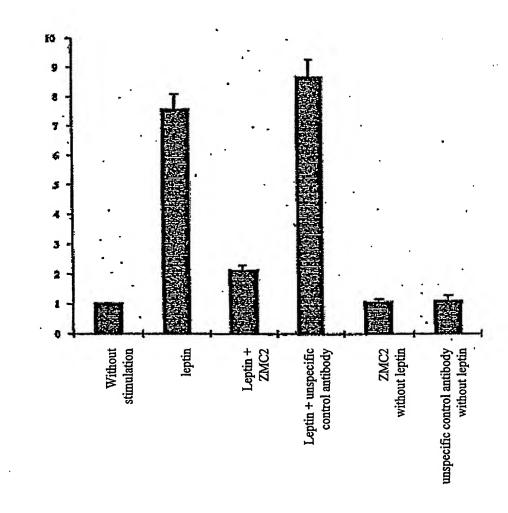
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Figure 1

	A)		
		XHNPIPMPPAAAGLLLLAAQPAMAELVMTQSPKFMSTSIGDRVNITCKAT QNVRTAVTWYQQKPGQSPQALIFLASNRHTGVPARFTGSGSGTDFTLTIN	
_		NVKSEDLADYFCLQHWNYPLTFGSGTKLEIKRADAAPTVSIFPPSSEQLT	
5		SGGASVVCFLNNFYPKDINVKWKIDGSERQNGVLNSWTDQDSKDSTYSMS STLTLTKDEYERHNSYTCEATHKTSTSPIVKSFNRGEC**SRVKRXQSXG	
		GPGTPIRPIGXPYYNSLGGGFQ	,
	B)		
10		DNA: NANGTCATAATCCAATACCTATGCCTACGGCAGCCGCTGGATTGTTATTAC	
		+3: X H N P I P M P T A A A G L L L	
		pComb3 vector SacI V <sub>L</sub> (x) primer DNA: TCGCTGCCCAACCAGCCATGGCCGAGCTCGTGATGACCCAGTCTCCAAAAT	
15		+3: A A Q P A M A E L V M T Q S P K F	
		DNA: TCATGTCCACATCAATAGGAGACAGGGTCAATATCACCTGCAAGGCCACTC	
		+3: M S T S I G D R V N I T C K A T Q	
20	•	DNA: AGAATGTTCGTACTGCTGTTACCTGGTATCAACAGAAACCAGGGCAGTCTC	
		. +3: N V R T A V T W Y Q Q K P G Q S P	
	•	DNA: CTCAAGCACTGATTTTCTTGGCATCCAACCGGCACACTGGTGTCCCTGCTC +3: Q A L I F L A S N R H T G V P A R	
25			
		DNA: GATTCACAGGCAGTGGATCTGGGACAGATTTCACTCTCACCATTAACAATG +3: F T G S G S G T D F T L T I N N V	
		DNA: TGAAATCTGAAGACCTGGCAGATTATTTCTGTCTACAACATTGGAATTATC	
30		+3: K S E D L A D Y F C L Q H W N Y P	
		DNA: CTCTCACGTTCGGCTCGGGGACAAAGTTGGAAATAAAACGGGCTGATGCTG	
		+3: L T F G S G T K L E I K R A D A A	
35		DNA: CACCAACTGTATCCATCTTCCCACCATCCAGTGAGCAGTTAACATCTGGAG	
		+3: PTVSIFPPSSEQLTSGG	
		DNA: GTGCCTCAGTCGTGTGCTTCTTGAACAACTTCTACCCCAAAGACATCAATG	
40		+3: A S V V C F L N N F Y P K D I N V	
		DNA: TCAAGTGGAAGATTGATGGCAGTGAACGACAAAATGGCGTCCTGAACAGTT +3: K W K I D G S E R Q N G V L N S W	
		BclI	
45		DNA: GGACTGATCAGGACAGCAAAGACAGCACCTACAGCATGAGCAGCACCCTCA +3: T D Q D S K D S T Y S M S S T L T	
		DNA: CGTTGACCAAGGACGAGTATGAACGACATAACAGCTATACCTGTGAGGCCA	
		+3: L T K D É Y E R H N S Y T C E A T	
50		C <sub>L</sub> (x) primer DNA: CTCACAAGACATCAACTTCACCCATTGTCAAGAGC <u>TTCAACAGGGGAGAGT</u>	
		+3: H K T S T S P I V K S F N R G E C	
		Stop XbaI NotI KpnI DNA: <u>GT</u> TAGTAATCTAGAGTTAAGCGGCCGCAATCGAGGGGGGCCC <u>GGTACC</u> CC	
55		+3: * * SRVKRPQSRGGPVPQ	
		DNA: AATTCGCCCTATAGGGGNGCCGTATTACAATTCACTGGGCGGCGGTTTTCA	
		+3: FAL * G X R I T I H W A A V F X	
60		DNA: AN +3:	
00		TJ.	

Figure 2

	A)																			
	,	GLV	APS	ES	LS	CTC	TI	SGE	SL	TDI	DGV	SW	IRÇ	)PP	GK	SLE	WL	GVĪ	WGG	ESGP STYF DYWGQ
5		GTS	VTV	SS	SKT	CTP	PS	VYE	LA	PGS	SAA	QT	NSN	<b>IV</b> T	LG	CLV	KG	YFE	EPVI	NWTV
		VDK						_												<i>i</i> sstk
	B)																			
10		DNA: -1:	TT(																	
		DNA:	I	M	K	Y	L	x						A	G	L	L	L	L	
15		DNA:	GC:	TGC	CCA	ACC		CAT						<u>CT</u>	CGA		AGG	ACC	TGGC	
		DNA:	CTC	GGT	GGC	GCC	CTC.	AGA	GAG	CCT	GTC	CAT	CAC	ATG	CAC	TAT	CTC	AGG	GTTC	
20	•	-1:	L	V	A	P	S	E	S	L	S	I	T	С	T	I	S	G	F	
		DNA:																		
														-					•	
25		DNA:																		
		DNA:																		
30		DNA:	TTC	TT	AGA	AAT	GGA	CAG:	rct2	ACA	AAC	TGA:	rga	CAC	AGC	CAT	GTA(	CTA	CTGC	
		-1:								_										
35		DNA: -1:																		
		DNA:																		
40		DNA:																		
		DNA:																		
45																				
43		DNA: -1:																		
		DNA:																GAC		
50																		1	V	
		DNA:	T	С	N	V	A	н	P	A	S	S	T	K	V	D	K			
		DNA:										s t						rago	CTA	
55		-1:																		
		DNA:																		
60		DNA:				4														

Figure 3

PCT/EP2004/013043

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A) ATNCTTNTTGTTCCTTTCTATGCGGCCCAGCCGGCCATGGCCCAGGTCCAGCTG CAGGAGTCAGGAACTGAAGTGGTAAAGCCTGGGGCTTCAGTGAAGTTGTCCT GCAAGGCTTCTGGCTACATCTTCACAAGTTATGATATAGACTGGGTGAGGCAG 5 ACGCCTGA ACAGGGACTTGAGTGGATTGGATGGATTTTTCCTGGAGAGGGGA **GTACTGAATACAATGAGAAGTTCAAGGGCAGGGCCACACTGAGTGTAGACAA** GTCCTCCA GCACAGCCTATATGGAGCTCACTAGGCTGACATCTGAGGACTCTG CTGTCTATTTCTGTGCTAGAGGGGACTACTATAGGCGCTACTTTGACTTGTGGG **GCCAA**GGGACCACGGTCACCGTCTCCTCATGTGGAGGCGGTTCAGGCGGAGG 10 TGGCTCTGGCGGTGGCGGATCTGACATTGAGCTCACCCAGTCTCCAGCAATCA TGTCTGCATCTCCAGGGGAGAGGGTCACCATGACCTGCAGTGCCAGCTC **AAGTATACGTTACATATTTGGTACCAACAGAAGCCTGGATCCTCCCCCA** GACTCCTGATTTATGACACATCCAACGTGGCTCCTGGAGTCCCTTTTCGC TTCAGTGGCAGTGGGTCTGGGACCTCTTATTCTCTCACAATCAACCGAAT GGAGGCTGAGGATGCTGCCACTTATTACTGCCAGGAGTGGAGTGGTTAT 15 CCTCTCACGTTCGGCTCGGCACCAAGCGGGAAATCAAACGGGCGGCCGC AGGTGCGCCGGTGCCGTATCCGGATCCGCTGGAACCGCGTGCCGCATAGACT-GTTGAA

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B)

MAQVQLQES GTEVVKPGASVKLSCKASGYIFTSYDIDWVRQTPEQGLEWIG WIFPGEGST EYNEKFKGRATLSVDKSSSTAYMELTRLTSEDSAVYFCARG DYYRRYFDLWGQGTTVTVSSGGGGSGGGSGGGGSDIELTQSPAIMSASP GERVTMTCSASSSIRYIYWYQQKPGSSPRLLIYDTSNVAPGVPFRFSGSG SGTSYSLTINRMEAEDAATYYCQEWSGYPLTFGSGTKREIKRAAAGAPVP YPDPLEPR

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A)

tcgctgcccaaccagcc ATG gcccaggtgaaactgctcgagtcaggacctggcctggtgg5 cgccctcagagagcctgtccatcacatgcactatctcagggttctcattaaccgacgatg gtgtaagctggattcggcagcctccaggaaagggtctggagtggctgggagtaatatggg gtggtggaagcacatactttaattcacttttcaaatccagactgagcatcaccagggaca actctaagagccaagttttcttagaaatggacagtctacaaactgatgacacagccatgt actactgcgccaaacatgacggacacgagactatggactattggggtcaaggaacctcag 10 tcaccgtctcctcatccaaaacgacacccccatctgtctatccactggcccctggatctg ctgcccaaactaactccatggtgaccctgggatgcctggtcaagggctatttccctgagc cagtgacagtgacctggaactctggatccctgtccagcggtgtgcacaccttcccagctg tcctgcagtctgacctctacactctgagcagctcagtgactgtcccctccagcacctggc ccagcgagaccgtcacctgcaacgttgcccacccggccagcagcaccaaggtggacaaga 15 aaattgtgcccagggattgtactagtgqtgqcqqaqgtagtqqcqqaqqtaqcqqtq <u>qcqqaqqttctqqtqqcqqaqqttccq</u>aattcctcgaggtgcccatccaaaaagtccaag atgacaccaaaaccctcatcaagacaattgtcaccaggatcaatgacatttcacacacgc agtcagtctcctccaaacagaaagtcaccggtttggacttcattcctgggctccaccca tcctgaccttatccaagatggaccagacactggcagtctaccaacagatcctcaccagta 20 tgccttccagaaacgtgatccaaatatccaacgacctggagaacctccgggatcttcttc acgtgctggccttctctaagagctgccacttgccctgggccagtggcctggagaccttgg acagcctgggggtgtcctggaagcttcaggctactccacagaggtggtggccctgagca ggctgcaggggtctctgcaggacatgctgtggcagctggacctcagccctgggtgcacta gtcatcatcatcatcatcatTAAgctagcctagtggtggctggctctcca

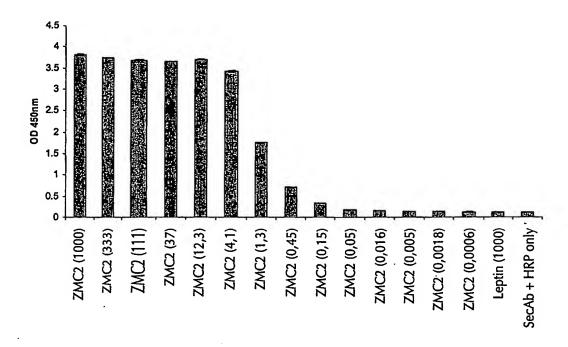
25 B)

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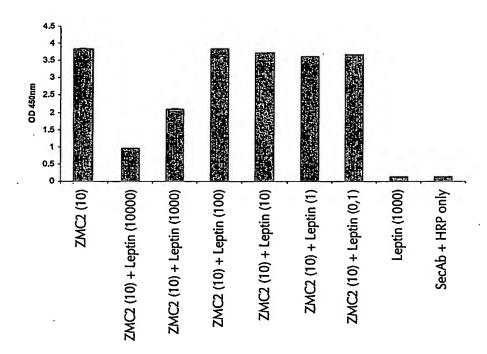
Figure 6

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Figure 7

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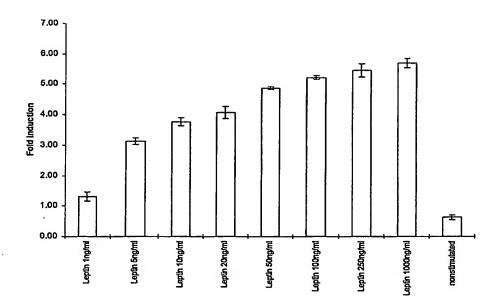


Figure 8

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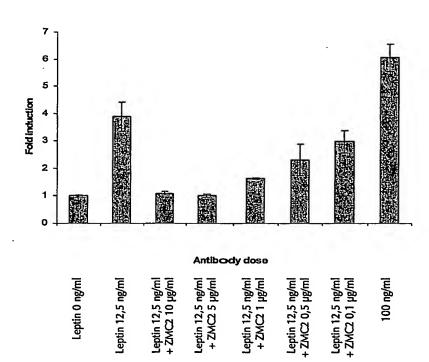
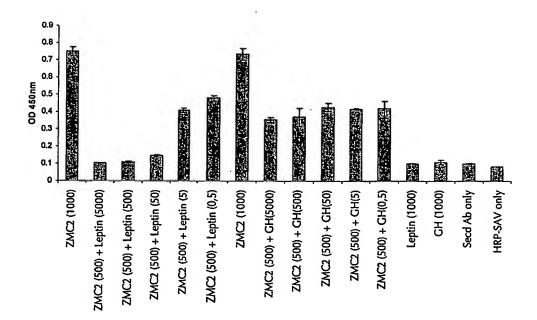


Figure 9

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Figure 10

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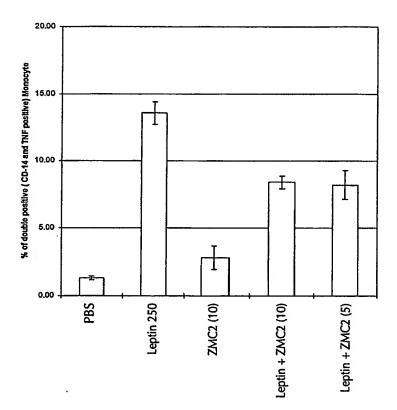
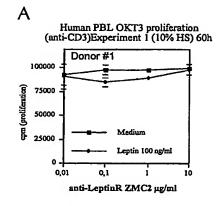
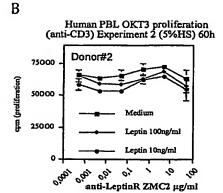


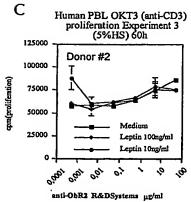
Figure 11

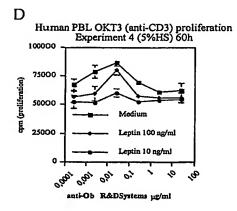
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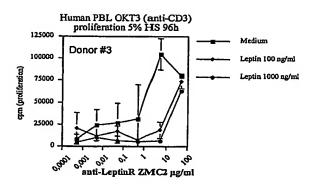
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Figure 12

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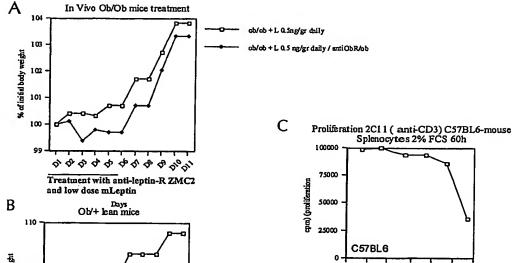


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Figure 13

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% of initial body weight 105 100 **ዕዕዕዕዕ**ዕ Treatment with anti-leptin-R ZMC2

anti-leptin-R ZMC2 (µg/ml)

Days

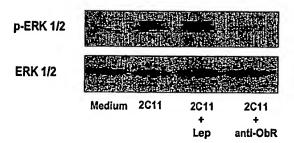
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Figure 14

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Figure 15

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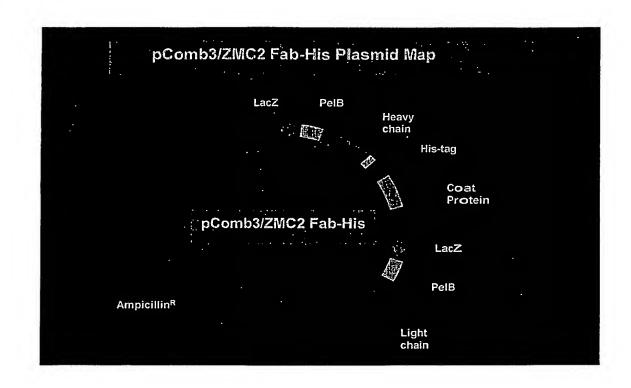


Figure 16

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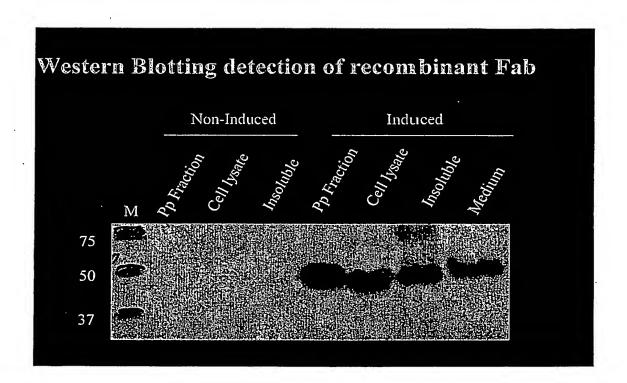


Figure 17

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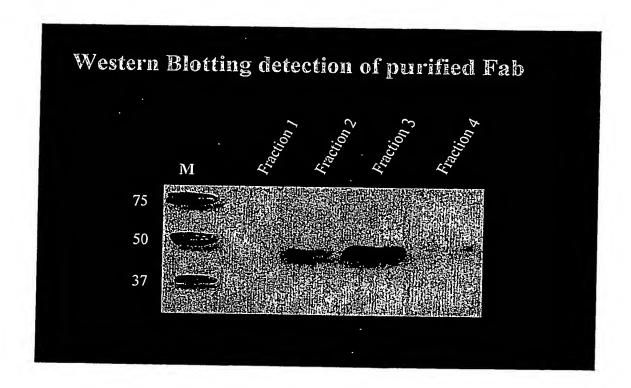


Figure 18

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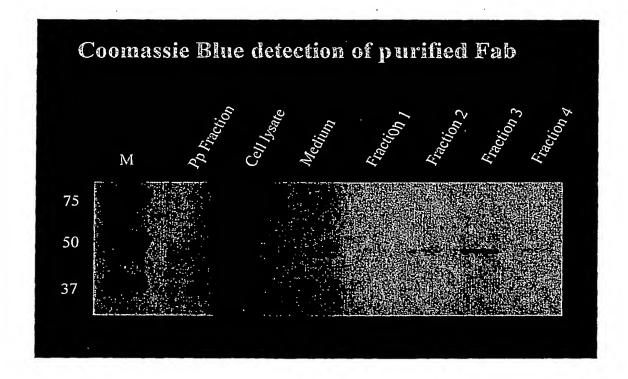
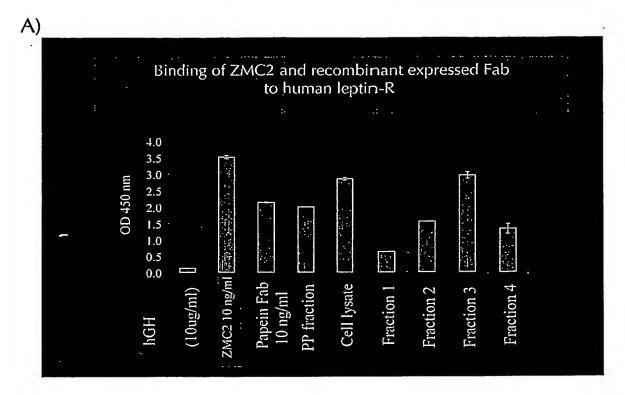


Figure 19

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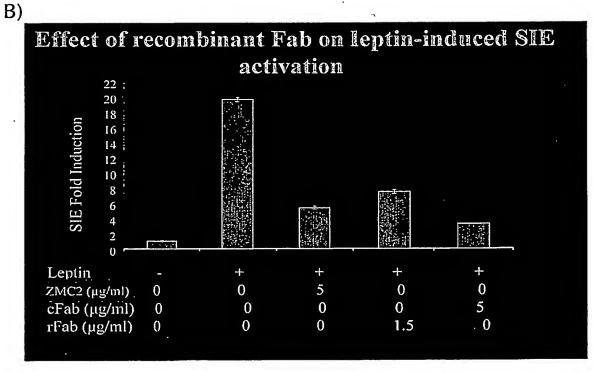


Figure 20

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